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(FILE 'HOME' ENTERED AT 09:45:09 ON 17 OCT 2000)

FILE 'USPATFULL' ENTERED AT 09:45:15 ON 17 OCT 2000

L1 3059 S CELLULASE# OR CELLULOLYTIC
L2 64179 S TENSILE STRENGTH#
L3 99 S L1 AND L2
L4 36 S ANTIPILLING
L5 1 S L3 AND L4
L6 23 S COLOR CLARIFICATION
L7 9 S L3 AND L6
L8 0 S CBS 669.63
L9 1 S CBS 670.93

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L7 ANSWER 1 OF 9 USPATFULL
AN 2000:121307 USPATFULL
TI Alkaline **cellulases**
IN Schulein, Martin, K.o slashed.benhavn, Denmark
Rosholm, Peter, Pentaling Jaya, Malaysia
Nielsen, Jack Bech, Hellerup, Denmark
Hansen, Svend Aage, Stenl.o slashed.se, Denmark
von der Osten, Claus, Lyngby, Denmark
PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 6117664 20000912
AI US 1996-709974 19960909 (8)
RLI Continuation-in-part of Ser. No. WO 1995-DK101, filed on 8 Mar 1995
PRAI DK 1994-365 19940303
DK 1994-270 19940308
DT Utility
LN.CNT 2156
INCL INCLM: 435/209.000
INCLS: 435/471.000; 424/094.610
NCL NCLM: 435/209.000
NCLS: 435/471.000; 424/094.610
IC [7]
ICM: C12N009-42
ICS: A61K038-47
EXF 435/209; 435/172.1; 435/471; 424/94.61
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 9 USPATFULL
AN 2000:117677 USPATFULL
TI **Cellulase** variants
IN Schulein, Martin, Copenhagen OE, Denmark
Fredholm, Henrik, Vøyenenga, Norway
Hjorth, Carsten Mailand, Sm.o slashed.rum, Denmark
Rasmussen, Grethe, Copenhagen NV, Denmark
Nielsen, Egon, Copenhagen, Denmark
Rosholm, Peter, Selangor DE, Malaysia
PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
PI US 6114296 20000905
AI US 1998-57088 19980408 (9)
RLI Division of Ser. No. US 411777
PRAI DK 1992-1221 19921006

	DK 1992-1222	19921006
	DK 1992-1223	19921006
	DK 1992-1224	19921006
	DK 1992-1225	19921006
	DK 1992-1513	19921208
	DK 1992-1515	19921218
	DK 1992-1543	19921223

DT Utility

LN.CNT 1856

INCL INCLM: 510/320.000
INCLS: 435/209.000

NCL NCLM: 510/320.000
NCLS: 435/209.000

IC [7]
ICM: C11D003-00
ICS: C12N009-42

EXF 435/209; 510/320

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 9 USPATFULL

AN 2000:70665 USPATFULL

TI Enzyme preparation with endoglucanase activity

IN Schulein, Martin, Copenhagen .O slashed., Denmark
Oxenb.o slashed.ll, Karen Margrethe, Charlottenlund, Denmark
Andersen, Lene Nonboe, Birker.o slashed.d, Denmark
Lassen, S.o slashed.ren Flensted, Copenhagen .O slashed., Denmark
Kauppinen, Markus Sakari, Copenhagen N, Denmark
Nielsen, Jack Bech, Hellerup, Denmark

PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)

PI US 6071735 20000606

AI US 1997-956253 19971022 (8)

RLI Division of Ser. No. US 809763

PRAI DK 1994-11160 19941006
DK 1994-1296 19941111

DT Utility

LN.CNT 2379

INCL INCLM: 435/209.000
INCLS: 435/264.000; 435/278.000; 008/400.000

NCL NCLM: 435/209.000
NCLS: 008/400.000; 435/264.000; 435/278.000

IC [7]
ICM: C12N009-42
ICS: C12S009-00; C12S003-08

EXF 435/209; 435/264; 435/278; 008/400

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 9 USPATFULL

AN 1999:163494 USPATFULL

TI Endoglucanases

IN Schulein, Martin, Copenhagen, Denmark
Andersen, Lene Nonboe, Aller.o slashed.d, Denmark
Lassen, S.o slashed.ren Flensted, Copenhagen, Denmark
Kauppinen, Markus Sakari, Copenhagen, Denmark
Lange, Lene, Valby, Denmark
Nielsen, Ruby Iium, Farum, Denmark
Ihara, Michiko, Chiba, Japan
Takagi, Shinobu, Chiba, Japan

PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)

PI US 6001639 19991214

AI US 1996-651136 19960521 (8)

RLI Continuation of Ser. No. WO 1996-DK105, filed on 18 Mar 1996

PRAI DK 1995-272 19950317
DK 1995-885 19950808
DK 1995-886 19950808
DK 1995-887 19950808

DK 1995-888 19950808
 DK 1996-137 19960212
 DT Utility
 LN.CNT 6231
 INCL INCLM: 435/263.000
 INCLS: 435/209.000; 435/277.000; 510/320.000; 510/321.000
 NCL NCLM: 435/263.000
 NCLS: 435/209.000; 435/277.000; 510/320.000; 510/321.000
 IC [6]
 ICM: D06M016-00
 ICS: C12N009-42; D21C001-00; C11D003-386
 EXF 435/209; 435/263; 435/277; 510/320; 510/321
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 9 USPATFULL
 AN 1999:151002 USPATFULL
 TI Oversized **cellulase** compositions for use in detergent
 compositions and in the treatment of textiles
 IN Bower, Benjamin S., Pacifica, CA, United States
 Clarkson, Kathleen A., San Francisco, CA, United States
 Larenas, Edmund A., Moss Beach, CA, United States
 Ward, Michael, San Francisco, CA, United States
 PA Genencor International, Inc., Rochester, NY, United States (U.S.
 corporation)
 PI US 5989899 19991123
 AI US 1996-774065 19961223 (8)
 DT Utility
 LN.CNT 1212
 INCL INCLM: 435/263.000
 INCLS: 435/264.000
 NCL NCLM: 435/263.000
 NCLS: 435/264.000
 IC [6]
 ICM: C12S011-00
 EXF 435/263; 435/264
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 9 USPATFULL
 AN 1999:132757 USPATFULL
 TI Enzyme preparation with cellulytic activity
 IN Lange, Lene, Bagsvaerd, Denmark
 Nielsen, Jack Bech, Bagsvaerd, Denmark
 Schulein, Martin, Bagsvaerd, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5972872 19991026
 AI US 1997-870996 19970606 (8)
 RLI Continuation of Ser. No. WO 1995-DK9800518, filed on 22 Dec 1995
 PRAI DK 1994-1471 19941222
 DT Utility
 LN.CNT 1460
 INCL INCLM: 510/392.000
 INCLS: 510/395.000; 510/530.000; 510/320.000; 510/321.000; 510/305.000;
 510/226.000; 435/209.000
 NCL NCLM: 510/392.000
 NCLS: 435/209.000; 510/226.000; 510/305.000; 510/320.000; 510/321.000;
 510/395.000; 510/530.000
 IC [6]
 ICM: C11D003-386
 ICS: C12N009-42
 EXF 510/392; 510/393; 510/530; 510/320; 510/321; 510/305; 510/226; 435/209
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 9 USPATFULL
 AN 1999:75548 USPATFULL
 TI Enzyme and enzyme preparation with endoglucanase activity

L5 ANSWER 1 OF 1 USPATFULL
AN 1999:151002 USPATFULL
TI Oversized **cellulase** compositions for use in detergent
compositions and in the treatment of textiles
IN Bower, Benjamin S., Pacifica, CA, United States
Clarkson, Kathleen A., San Francisco, CA, United States
Larenas, Edmund A., Moss Beach, CA, United States
Ward, Michael, San Francisco, CA, United States
PA Genencor International, Inc., Rochester, NY, United States (U.S.
corporation)
PI US 5989899 19991123
AI US 1996-774065 19961223 (8)
DT Utility
LN.CNT 1212
INCL INCLM: 435/263.000
INCLS: 435/264.000
NCL NCLM: 435/263.000
NCLS: 435/264.000
IC [6]
ICM: C12S011-00
EXF 435/263; 435/264
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IN Schulein, Martin, Copenhagen .O slashed., Denmark
 Oxenb.o slashed.ll, Karen Margrethe, Charlottenlund, Denmark
 Andersen, Lene Nonboe, Birker.o slashed.d, Denmark
 Lassen, S.o slashed.ren Flensted, Copenhagen .O slashed., Denmark
 Kauppinen, Markus Sakari, Copenhagen N, Denmark
 Nielsen, Jack Bech, Hellerup, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5919691 19990706
 WO 9611262 19960418
 AI US 1997-809763 19970320 (8)
 WO 1995-DK400 19951006
 19970326 PCT 371 date
 19970326 PCT 102(e) date
 PRAI DK 1994-1160 19941006
 DK 1994-1296 19941111
 DT Utility
 LN.CNT 2395
 INCL INCLM: 435/209.000
 INCLS: 435/255.200; 435/256.100; 435/256.700; 435/320.100; 536/023.200
 NCL NCLM: 435/209.000
 NCLS: 435/255.200; 435/256.100; 435/256.700; 435/320.100; 536/023.200
 IC [6]
 ICM: C12N009-42
 ICS: C12N015-55
 EXF 435/320.11; 435/255.2; 435/256.1; 435/256.7; 435/209; 536/27.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

~~L7~~ ANSWER 8 OF 9 USPATFULL
 AN 1999:67176 USPATFULL
 TI Alkaline **cellulases**
 IN von der Osten, Claus, Lyngby, Denmark
 Schulein, Martin, K.o slashed.benhavn .O slashed., Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5912157 19990615
 AI US 1996-709979 19960909 (8)
 RLI Continuation-in-part of Ser. No. WO 1995-DK108, filed on 8 Mar 1995
 PRAI DK 1994-270 19940308
 DK 1994-365 19940330
 DT Utility
 LN.CNT 1860
 INCL INCLM: 435/209.000
 INCLS: 435/267.000; 510/320.000
 NCL NCLM: 435/209.000
 NCLS: 435/267.000; 510/320.000
 IC [6]
 ICM: C12N009-42
 ICS: C11D003-386; C12S011-00
 EXF 435/209; 435/263; 510/320
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 9 USPATFULL
 AN 1998:95417 USPATFULL
 TI **Cellulase** variants and detergent compositions containing
cellulase variants
 IN Schulein, Martin, Copenhagen OE, Denmark
 Fredholm, Henrik, Oslo, Denmark
 Hjorth, Carsten Mailand, Roskilde, Denmark
 Rasmussen, Grethe, Copenhagen NV, Denmark
 Nielsen, Egon, Copenhagen, Denmark
 Rosholm, Peter, Copenhagen OE, Denmark
 PA Novo Nordisk A/S, Bagsvaerd, Denmark (non-U.S. corporation)
 PI US 5792641 19980811
 WO 9407998 19940414
 AI US 1995-411777 19950505 (8)
 WO 1993-DK327 19931006

19950505 PCT 371 date
 19950505 PCT 102(e) date
 PRAI DK 1992-1221 19921006
 DK 1992-1222 19921006
 DK 1992-1223 19921006
 DK 1992-1224 19921006
 DK 1992-1225 19921006
 DK 1992-1513 19921218
 DK 1992-1515 19921218
 DK 1992-1543 19921223
 DT Utility
 LN.CNT 1770
 INCL INCLM: 435/209.000
 INCLS: 435/183.000; 510/114.000; 530/324.000; 530/350.000
 NCL NCLM: 435/209.000
 NCLS: 435/183.000; 510/114.000; 530/324.000; 530/350.000
 IC [6]
 ICM: C12N009-42
 ICS: C12N009-00; A61K038-00; C07K001-00
 EXF 435/183; 435/209; 510/114; 510/108; 510/392; 530/324; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L9 ANSWER 1 OF 1 USPATFULL
 AN 1999:1503 USPATFULL
 TI Alkaline cellulase and method of producing same
 IN Van Solingen, Pieter, Naaldwijk, Netherlands
 PA Genencor International, Rochester, NY, United States (U.S. corporation)
 PI US 5856165 19990105
 WO 9634108 19961031
 AI US 1997-727548 19970604 (8)
 WO 1996-US5652 19960426
 19970604 PCT 371 date
 19970604 PCT 102(e) date
 PRAI EP 1995-201115 19950428
 DT Utility
 LN.CNT 558
 INCL INCLM: 435/209.000
 INCLS: 435/069.100; 530/350.000; 008/115.560
 NCL NCLM: 435/209.000
 NCLS: 008/115.560; 435/069.100; 530/350.000
 IC [6]
 ICM: C12N009-42
 EXF 435/209; 435/69.1; 530/350; 008/115.56
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.